

Curriculum Vitae

Najiba Abdullah Hasan Al- Hamadani

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PERSONAL SUMMARY:

- An academic staff member (15/12/1982 - Present) at Al-Mustansiriyah University, Baghdad, Iraq.
- Day of Birth: February 10, 1955
- Place of Birth: Salahaddin, Tuz, Iraq
- Nationality: Iraqi
- Address: Physics Department, College of Education, Al-Mustansiriyah University, Baghdad, Iraq
- Title: Professor

EDUCATION:

- Ph.D. in Materials science (polymers) 1996 College of Education, AL- Mustansiriyah University-Iraq.
- M.Sc. in solar energy. 1982 College of Science, AL- Mustansiriyah University-Iraq.
- B.Sc. in Physics.1979 College of Science, AL- Mustansiriyah University-Iraq.

ACADEMIC HONORS AND AWARDS:

- Minister of higher education and scientific research
- Acknowledgments from the President of AL- Mustansiriyah University -Iraq.
- Acknowledgments from Dean of the College of Education, AL- Mustansiriyah University and the Deans of some colleges.

ACADEMIC /TEACHING EXPERIENCE:

- Prof. 2009- Present. Physics Department, College of Education, Al-Mustansiriyah University, Baghdad, Iraq
- Assistant. Prof. March. 1998 Physics Department, College of Education, Al-Mustansiriyah University, Baghdad, Iraq
- Assistant Lecturer 1982-1991. Physics Department, College of Education, Al-Mustansiriyah University. Baghdad, Iraq.
- 33 years teaching at Al- Mustansiriyah University/ College of education in physics and mathematics departments. University of Garyounis in Benghazi- Libya/ College of engineering/electrical engineering
- Supervision and teaching graduate students (master and PhD).

COURSES TAUGHT:

Undergraduate	Graduate
<ul style="list-style-type: none">• Electricity and Magnetism,• Classical Mechanics• General Physics (Math Department).• Solid state physics-• Electrical circuits theory (College of	<ul style="list-style-type: none">• Solid state physics/Master• Semiconductors/PhD• Composites/PhD• Insulators/PhD• Supervision of seminar of master and

engineering/electrical engineering) • General Physics (College of engineering/electrical engineering) • all physics laboratories	PhD students. • Supervision of masters and PhD students. • Chairman - Member of examination committees, Masters and PhD students thesis
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PROFESSIONAL AFFILIATIONS:

- Member of Scientific Committee for Physics Department
- Member of assembly of physics and mathematics
- Member of Promotions Committee
- Chairman of Committee on the development of graduate studies (PhD) Diyala University, College of science

PUBLICATIONS:

More than 70 researches

No.	By	Subject	Journal	Information
1	Subhi K. Hassun Najiba A. Hassan	Visco-relaxation studies of Polystyrene solution in different solvents by ultrasonic	Acta Polymerica	Vol.41 No.8 P:438-441 (1990)
2	Ramzi H.Misho Wafa Ayoub Murad Najiba N.H.	Optical transitions in thin films of Mn5O8 and MnS prepared by the method of chemical spray pyrolysis	Al-Mustansiriya J. Sci	Vol.4 No.1 P:5-8 (1993)
3	Dr.Subhi K. Hassun Najiba A. Hassan Faisel Ali Mustafa	Ultrasonic study of structural relaxation in aqueous solution of poly (Acrylamide)	Eng.Technology	Vol.12 No.10 P:89-100 (1993)
4	Najiba Abdullah Nadir Fadill Habubi Fatma Hassan	Ultrasonic study of molecular association of aqueous solution of Sodium-Carboxymethyl cellulose at various temperatures	J. The College of Education ,Al-Mustansiriya	Vol. 5 No.5 P:25-32 (1998)
5	Najiba Abdullah Nadir Fadill Habubi ,Sawsan AbdulZahra	Interband transition of chemical deposited Mn2O3 films in the fundamental absorption region	J.Al-Fath, Diyala	Vol.2 No.3 P:80-83 (1998)
6	Najiba Abdullah Jamila Harbi Ibtisam Muhi	Acoustical study of aqueous solution of Polyethylene Glycol (PEG)	J. The College of Education ,Al-Mustansiriya	Vol.5 No.5 P: 27-34 (2001)
7	Soondos A. J. Najiba A. Safra M.	Variational method for optimized effective potentials: Nonrelativistic case	Iraqi society of Physics & Mathematics	Vol.16 No.3 P:31-49 (2001)
8	Najiba A.Hassan Najat J.Saleh EmanM.Kudair	Ultrasonic studies of molecular interactions in the aqueous solution of Poly(Acrylic acid) at various temperatures	Eng.Technology	Vol.20 No.9 P:580-584 (2001)
9	Dr.Najiba Abdulla Dr. Soondos Abass Dr.Nada Fadill	Ultrasonic study of Polyethylene Glycol at several temperature	The College of Education	Vol.1 No.1 P:1-8 (2002)
11	Dr.Najiba A.	The control of molecular weight by chain transfer agents in high polymeric systems	The College of Education	Vol.1 P:303-310 (2006)
12	Najiba Abdulla	Ultrasonic velocity and allied	J.Al-Fath, Diyala	Vol.26

		parameters in aqueous solution of Sodium Carboxy-Methyl cellulose at various temperatures		P:232-241 (2006)
13	Najiba A.Hassan Mustafa S.Hashim Reem ---	Structural characterization of magnetron sputtered ZnO thin films	1. The College of Education ,Al-Mustansiriya	Vol.--3 P:737-746 (2008)
14	Najiba A.Hassan Mustafa S.Hashim Reem S.Khaleel	Optical characteristic of ZnO:Al thin films prepared by magnetron sputtering CdS	The University of Karbala	Vol.8 No.1 P:224-230 (2010)
15	Najiba A.Hassan	Optical properties of ZnO: Al thin films prepared by sputtering at different temperature	The College of Basic Education	Vol.16 No.63 P:49-59 (2010)
16	Najiba A.Hassan, Salah Q. Hazaa Sawsan A.Zahra	Effect of thickness on the optical properties of CdS films prepared by chemical spray pyrolysis	Conference The College of Education Al-Mustansiriya	Vol.2 No. Special (2010)
17	Salah K.Hazaa Najiba A.Hassan Faten Sh.Zaid	Preparation and inter-band transition of ZnO thin films by an evaporation method	Diyala Journal	Vol.42 P:153-160 (2010)
18	Salah K.Hazaa Najiba A.Hassan Saba J.Hassan	ZnO thin films preparation using D.C magnetron sputtering at various Oxygen contents	Journal of Kufa	Vol. No.Special P:286-294 (2010)
19	Najiba A.Hassan K, Abass , W. Abdullah	Effect of Cu doping on optical constant of ZnO films	Conference The College of Education Al-Mustansiriya	Vol.2 No. Special P:856-865 (2010)
20	Salah Q.Hazaa Najiba A.Hassan Esraa H. Hadi	Gamma radiation effect on optical properties of ZnO: Al thin films prepared by D.C magnetron sputtering	Conference The College of Education Al-Mustansiriya	Vol.2 P:500-514 (2010)
21	Dr.Najiba A.Hassan Fatma I.Abass Dr.Saba J.Hassan	Deposition of Aluminum-Doped Zinc Oxide films by DC magnetron sputtering and study of their structural and optical properties	Conference The College of Education Al-Mustansiriya	Vol.2 No.Special P:657-667 (2010)
22	Dr.Najiba A.Hassan Dr. Salah K.Hazaa Dr.Nada F.Tawfig	Radiation effects on ultrasonic velocity and adiabatic compressibility of Poly (Vinyl pyrrolidone)	Conference The College of Education Al-Mustansiriya	Vol.2 No.Special P:235-240 (2011)
23	Najiba A.Hassan Sawsan A.Zahra Sana'a Rasool	Improved electrical conductivity of ZnO:Al films by using dc sputtering technique	The College of Basic Education	Vol.17 No.69 P:243-250 (2011)
24	Najiba A.Hassan Sawsan A.Zahra Layla Alag Wali	Effect of magnetic field on the electronic transitions of the ZnO thin films	1. The College of Education ,Al-Mustansiriya	Vol.-3- P:492-503 (2012)
25	Najiba Abdullah Ameer A.Hussain	Preparation of Nanocrystalline Copper doped Cds thin films by spray Pyrolysis method	Diyala Journal for Pure Sciences	Vol.8 No.3 P:285-295 (2012)
26	Najiba A.Hassan	The influence of the substrate	National conference on	Vol.--

	Salah Q.Hazaa Ameer A.H.Salih	temperature on the structural and optical properties of Cds thin films	Physics	No.-- P:103 (2012)
27	Salah Q.Hazaa Fadhl K.Farhan Bahjat B.Kadhim Najiba A.Hassan	Heat transere of CNTs reinforced polymer blend nanocomposites	J. The College of Education ,Al-Mustansiriya	Vol.-- No.5 P:260 -275 (2012)
28	J. The College of Education ,Al-Mustansiriya	J. The College of Education ,Al-Mustansiriya	J. The College of Education ,Al-Mustansiriya	J. The College of Education ,Al-Mustansiriya
29	Dr.Najiba Abdullah Jamal Jasim Al-Kabi	Investigation of dielectric properties of carbon nanotube/epoxy composite	J. The College of Education ,Al-Mustansiriya	Vol.5 P:219-230 (2013)
30	Najiba A.Hassan Salah Q.Hazaa Ameer A.H.Salih Saba Jameel Hasan	Influence of substrate temperature on the structural and optical properties of Cds thin films	Berkala Fisika Indonesia	Vol.5 No.2 P:60-67 (2013)
31	Najiba A.Hassan Salah Q.Hazaa Abbas Ali Abbas	The influence of thickness on the structural and optical properties of ZnO:In thin films	Magistra(Indonesia)	Vol.5 No.85 P:37-43 (2013)
32	Najiba A. Alia A.A.Shehab Duha M.A.Latif	Effect of annealing temperature on optical and electrical properties of SnS thin films	The College of Basic Education	Vol.20 No.86 P:1049-1056 (2014)
33	Alia A.A.Shehab Najiba A. Duha M.A.Latif	Effect of annealing temperature on structure properties of SnS thin films	PCAIJ, Physical Chemistry An Indian Journal	Vol.9 No./Issue.7 P:255-259 (2014)
34	Najiba Abdullah Al-Hamadani	Preparation and Electrical Properties of Epoxy Resin Reinforced with Functionalized Carbon Nanotubes	OSR Journal of Applied Physics IOSR-JAP	ume 6, Issue 4 Ver. I (Jul-Aug. 2014), PP 54-56
35	Najiba Abdullah Al-Hamdani, Tariq S. Najim, Fatima A. Khlaf	Mechanical and Thermal Behavior of a Polymer Composite Reinforced with Functionalized Carbon Nanotubes	OSR Journal of Applied Physics IOSR-JAP)	.Volume6, Issue 4 Ver. I (Jul-Aug. 2014), PP 50-53
36	Najiba A. Ramla D. Saba J.Hassan	Effect of gamma irradiation on the structural and optical properties of ZnO thin films	OSR Journal	Vol.16 No./Issue.1 P:11-16 (2014)
37	Najiba Abdullah Noor Dhaief	Dielectric properties of ZrO2/PMMA Nanocomposites	OSR Journal	Vol.7 No./Issue.1 P:55-58 (2015)
38	S.Abdul Zahra N.A.Hassan S.Q.Hazza	Effect of γ -irradiation on resistance of Aluminum doped CdS thin films	IED:Journal of Electron Devices	Vol.21 P:1862-1868 (2015)
39	Alia A.A.Shehab Najiba A. Duha M.A.Latif	Study the effect of Aluminum doping on the optical and structural properties of SnS thin films	Conference The College of Education Al-Mustansiriya	Vol.2 No.Special P:989-992 (2015)
40	N.A.Al-Hamadani	Effect of beta particles on structural	12th Arab conference	Vol.3

	S.Q.Hazaa	and optical properties of Zinc Oxide thin films prepared by DC-magnetron sputtering technique	on the peaceful uses of atomic energy Egypt	No.Special P:744-754 (2015)
41	Najiba A.Hassan Jamal Jasim Rady	Effect of multi walled Carbon nanotubes addition on the mechanical and thermal properties of Epoxy matrices	Magistra(Indonesia)	Vol.-- No.94 P:81-86 (2015)
42	Alia A.A.Shehab Najiba A. Duha M.A.Latif	Study the Effect of of Aluminum doping on the optical and structural properties of SnS thin films	Atti Della	Vol.-- No.5 P:1-6 (2015)
43	Najiba Abdullah Al-Hamadani Noor Dhaief Al-Shwak	Study Mechanical and Thermal Properties of ZrO ₂ /PMMA Nanocomposites	Diyala Journal for Pure Sciences	Vol: 12 No:2 , April 2016, p 1-10
44	Najiba Abdullah Hasan, Abbas Ali Abbas, Jaafar Sadeq Mohammed	The Effect of Substrate Temperature on Optical Constants and Refractive Index Dispersion of DC Sputtered ZnO Thin Films	Diyala Journal for Pure Sciences	Vol: 12 No:4 , October 2016
45	Alia A.A.Shehab. , Najiba A.AL-Hamadni., Duha M.A.Latif.	Effect Of Annealing Temperature On The Photodetector Characteristic Of Sns /Si Heterojunction	Journal of Multidisciplinary Engineering Science Studies (JMESS).	Vol. 2 Issue 9, September – 2016 pp 892-897
46	Salah. Q. Hazaa Manar Th. Mansor Najiba A. Al-Hamadani	Undoped and Cobalt Doped ZnO Thin Films Ethanol Gas Sensors.	International Journal of Engineering Research & Technology (IJERT).	Vol. 2, Issue 8, 2016,pp1-5
47	Najiba Abdullah Al-Hamadani, Sabah A. Salman, Hamed A. Younis	Dielectric Properties of Multi-Wall Carbon Nanotubes / Polystyrene Composites	International Journal of Latest Research in Engineering and Technology (IJLRET)	Volume 02 - Issue 07 , July 2016 , PP. 57-61
48	Sabah A. Salman, Najiba A. Al-Hamadani, Hamed A. Younis	Study of Some Thermal and Mechanical Properties of (MWCNTs/PS) Composites	International Journal of Latest Engineering Technology, Management and Applied Sciences (IJLETMAS)	Vol. 1 ,Issue, 01 Nov-2016 PP 45-50
49	Najiba A. Al-Hamadani ¹ Salah. Q. Hazaa ² Lena B. Y. Ablahd	Effects of Gamma Radiation on Dielectric Properties of Polymehtyl Methacrylate/Polystyrene Polymer Blends	Thirteenth Arab Conference on the Peaceful Uses of Atomic Energy	No.Special P:----- (2016)
50	Najiba Abdullah Al-Hamadani, Falah Ibrahim Mustafa, Jamal Jasim Al-Kabi	Effect of Thickness and Annealing Temperature on Structural Properties of (CIGS) Thin Films	International Journal Of Advancement In Engineering Technology, Management and Applied Science (IAETMAS)	Vol. 05 Issue 01 , May-2017 PP. 24-33
51	Salah Q. Haza'a,	Effect of Annealing Temperature on	وقائع المؤتمر العلمي الرابع	2017/4/12

	Najiba A. Hasan, Sana J. Ali, Sawsan A.Zahra	Structural and Optical Properties of Thin Films	الدولي الاول كلية التربية للعلوم الصرفة / جامعة كربلاء	pp.1027 -1038
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